

TT-63-24320

Kolegov, G. A.
VARIATIONS IN THE DENSITY OF THE UPPER ATMOSPHERE FROM DATA ON THE CHANGE OF PERIODS OF REVOLUTION OF ARTIFICIAL EARTH SATELLITES (Varyatsi Plotnosti Verkhnei Atmosfery po Dannym ob Izmenenii Periodov Obrashcheniya Iskusstvennykh Sputnikov Zemli) tr. by J. W. Palmer. Feb 61 [7p] 5 refs RAE Library Trans. no. 934; AD-253 448.

Order from CTS, SLA or ETC \$1.10 TT-63-24320

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1960, v. 4, p. 31-34.
Another trans. is available in ARS Journal, v. 32, no.3, \$3.00 and an abstract trans. from LC or SLA at \$2.70, plus \$4.80 in 61-15182, AID 60-96, 30 Nov 60 [21]p. (Abstract available)

DESCRIPTORS: *Upper atmosphere, Density, *Atmospheric sounding, *Satellites (Artificial), Orbital (Earth Sciences--Atmosphere, TT, v. 11, no. 2) (over)

- I. Kolegov, G. A.
- II. RAE Trans-934
- III. AD-253 448
- IV. Royal Aircraft Establishment (Gt. Brit.)

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Eneev, T. M., Platonov, A. K., and Kazakova, R. K.
THE DETERMINATION OF PARAMETERS FOR THE
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4 refs.

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63-10168

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Another trans. is available free from Land-Air as
LTS-4. When supply is exhausted order from OTS or
SLA \$2.60 as 61-19531, 15 Mar 61 [25]p.

DESCRIPTORS: *Satellite vehicle trajectories, Earth,
*Orbital flight paths, Geophysics, Numerical analysis,
Determination.

For abstract see Technical Translations 6: 180, 1961.

(Engineering--Satellite Vehicles, TT, v. 9, no. 11)

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I. Eneev, T. M.
II. Platonov, A. K.
III. Kazakova, R. K.

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Taratynova, G. P.
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APPLICATION TO THE CALCULATIONS OF THE
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Another trans. is available free from Land-Air as
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SLA mi\$3.30, ph\$7.80 as 61-19039, 15 Jan 61 [47]p.

DESCRIPTORS: Satellite vehicle trajectories, Equations,
*Orbital flight paths, Numerical analysis, *Numerical
methods and procedures.

For abstract see Technical Translations 5: 498, 1961.

(Engineering--Satellite Vehicles, TT, v. 9, no. 11)

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Another trans. is available from STS \$19.75 as STS Trans #3, 5 Jan 62, 21p.

DESCRIPTORS: *Orbital flight paths, Satellites, *Satellite vehicle research, *Equations of motion, Vector analysis, *Satellite vehicle trajectories.

(Engineering--Satellite Vehicles, TT, v. 9, no. 1)

I. Beletskii, V. V.
II. American Rocket Society,
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DESCRIPTORS: *Rocket research, *Ionosphere, *Electrons, Density, Measurement, Instrumentation, *Radio equipment, Radio transmitters, Radio receivers, Antennas, Recording systems, Oscillographs.

(Earth Sciences--Atmosphere, ITT, v. 8, no. 7)

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I. Gringauz, K. I.

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IV. Research Information Service,
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V. American Rocket Society,
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RUSSIAN, bk, Izvestiya Sputniki Zemli,
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NASA TT F-8131

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Sci - Phys

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Kurnosova, L. V., Razorenov, L. A., and
Fradkin, M. I.
THE INVESTIGATION OF THE NUCLEAR COM-
PONENT OF COSMIC RAYS ON THE THIRD COSMIC
ROCKET. [1963] [5p] 2refs
Order from OTS or SLA \$1.10 63-20397

I. Kurnosova, L. V.
II. Razorenov, L. A.
III. Fradkin, M. I.

Trans. of *Izvestiya Sputniki Zemli* (USSR) 1961,
v. 8, p. 87-89.

DESCRIPTORS: *Cosmic rays, *Sounding rockets,
Nuclear properties, Radiation measurement systems,
Analysis.

The nuclear component of primary cosmic rays is
investigated by a Cherenkov counter on the third cosmic
rocket. The experiment and results are discussed.
(Translator)

(Nuclear Physics and Nuclear Chemistry, TT, v. 10,
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Mikarov, 11 pp.

RUSSIAN, BK, Iskusstvennye Sputniki Zemli, Vol
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Trans. of Iskusstvennye Sputniki Zemli (USSR) 1961, v. 9, p. 30-40.

DESCRIPTORS: *Moon, Exploration, Photography, *Satellite vehicle research, Lunar probes

(Astronomy--Astrophysics, TT, v. 7, no. 6)

62-12531

- I. Breido, I. I.
- II. Markelova, A. A.
- III. Shchegolev, D. E.
- IV. STS Trans-14
- V. Scientific Translation Service, Altadena, Calif.

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NEL 118941

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NO. 6, P. 631-[756]. June 62, 1v. 119 refs.
Order from AGI \$5.00; \$55.00/year

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v. 14, p. 80-83; 184-194, 482-483; Geologiya i Geo-
fizika (USSR) 1960, no. 3, p. 103-108; Moskovskoe
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DESCRIPTORS: *Satellite vehicle research, *Space-
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(Astronomy--Astrophysics, TT, v. 7, no. 6)

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DESCRIPTORS: *Satellite vehicle research, *Rocket
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Instrumentation.

(Astronomy--Astrophysics, TT, v. 7, no. 6)

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Sci - Geophys, Phys
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*Atlantic Ocean, Ionosphere.

(Astronomy--Astrophysics, TT, v. 7, no. 9)

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*Chromosomes, *Drosophila, Radiation effects.

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DESCRIPTORS: *Mutations, Space flight,
*Drosophila, Genetics, Vibration, Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 7, no. 9)

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Order from STS 53.90 STS Trans #11

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DESCRIPTORS: Space flight, *Seeds, Onions, Nuts,
*Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 7, no. 9)

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- II. Sokolov, N. N.
- III. STS Trans-11
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